BRUHAT BENGALORU MAHANAGARA PALIKE

Subject :- E M B Measurement - Emergency Grants in Ward No.7 , Bytarayanapura.

Estimate Cost :- Rs. 25.00 Lakhs.

Work Code Ref. No. :- 007 - 18 - 000071. Indent No.34782 .

Head of Account :- P 1771 .

Administrative Apporval No. :- AS / CE (YNK) / 177 / 2018-19. vide Dated: 09 / 01 / 2019.

Technical Sanction No. :- TS / CE (YNK) / 249 / 2018-19. vide Dated: 09 / 01 / 2019.

Technical Notification No. :- EE / BTP / BBMP / E - PMT / 22 / 2018-19. vide Dated: 27 / 02 / 2019.

Tender Aggrement No. :- EE (MLM) /Tender Aggrement No / 523 / 2012 - 13.

Agency :-Sri. Muniraju B.M. (S S Constructions) No. 432 / A ,1st Main ,Shivashankar Block , Hebbala , Bangalore - 560024 .

Submission of 2nd & Final Bill Recorded Vide MB No. 1922 / 1923 **Pg.No.** 192136 **To** 192150

Recorded on :-

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
1	KSRB 2-2.2: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS								
	Total Apporval Tender Qty					**6.75**	**Cum**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					6.75			
	Now Payable Qty is NIL					**0.00**		150.00	**NIL**
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix CC 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	Total Apporval Tender Qty					**5.03**	**Cum**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					5.03			
	Now Payable Qty is NIL					**0.00**		4500.00	**NIL**
3	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix CC 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2								
	Total Apporval Tender Qty					**3.07**	**Cum**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					3.07			
	Now Payable Qty is NIL					**0.00**		5000.00	**NIL**
4	KSRB 4.2.8 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46cum, with super plastisiser @ 3 ltrs confirming to IS 9103 -1999 Reaffirmed - 2008 machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications.								
	Total Apporval Tender Qty					**1.45**	**Cum**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					1.45			
	Now Payable Qty is NIL					**0.00**		6000.00	**NIL**

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3								
	Total Apporval Tender Qty					**0.22**	**Ton**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					0.22			
	Now Payable Qty is NIL					**0.00**		60000.00	**NIL**
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and footing , Pedestal staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, bed blocks, anchor blocks, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6.								
	Total Apporval Tender Qty					**27.99**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					27.99			
	Now Payable Qty is NIL					**0.00**		900.00	**NIL**
7	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 .								
	Total Apporval Tender Qty					**0.13**	**Cum**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					0.13			
	Now Payable Qty is NIL					**0.00**		100000.00	**NIL**
8	Providing and fixing flush door shutter made out of solid core blackboard type, well seasoned chemically treated hard wood battens andinternal frame with minimum 45 mm wide wooden frame all-round doorshutters covered with cross bonded wooden sheets (core veneer)hot pressed and fastened on both sides of the door using liquid phenol formaldehyde resin as per IS specification 2202 (Part-I) 1991.From manufacturer (Factory) complete as per specification.- do - 30mm thick both side commercial								
	Total Apporval Tender Qty					**5.04**	Sqm		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					5.04			
	Now Payable Qty is NIL					**0.00**		2000.00	**NIL**
9	**SOLID PVC DOOR FRAME :** Providing & fixing factory madePVC Door frameof size 50x 75mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVCfoam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frameto be fixed to the wall using M.S. Screws of 65/80mm size completeas per manufacturers specification & direction of Engineer-in-charge								
	Total Apporval Tender Qty					**1.58**	**Mtr**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					1.58			
	Now Payable Qty is NIL					**0.00**		500.00	**NIL**
10	**SOLID PANEL PVC DOOR SHUTTER :** Providing & fixing 30mm thick factory maderigid foam Panelled DoorShutters made from M.S. tube of 19 gauge thickness, size 19x19mm forstyles and 15x15mm for top & bottom rails, covered with heat mouldedPVC channelof 5mm thick sheet & 30 x 50mm wide to form styles &5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail oneither side & 5mm thick 20mm wide PVC sheet as gap insert for top rail& bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame,Sealed to the styles & rails with 5x30mm PVC sheet beading on eitherside & joined together with solvent cement adhesive etc., Complete asper manufacturers specification & direction of Engineer-in-charge fixedto frames with 3 nos of 75 m.m Aluminium hinges.								
	Total Apporval Tender Qty					**1.58**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					1.58			
	Now Payable Qty is NIL					**0.00**		3000.00	**NIL**

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
19	Providing 32mm dia NP/CP waste unions conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete.								
	Total Apporval Tender Qty					**10**	**Each**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					10			
	Now Payable Qty is NIL					**0**		100.00	**NIL**
20	KSRB 12-8.1 : Constructing brick masonry inspection chamber 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, CI cover withframe (light duty) 600x600mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications.								
	Total Apporval Tender Qty					**4**	**Each**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					4			
	Now Payable Qty is NIL					**0**		9000.00	**NIL**
21	Providing applying two coats of wall putty to inside plastered walls andceiling using white cement putty. Scrapping and levelling the surfaceusing steel blade and preparing the surface even and smooth by usingdifferent grade sand papers, including cost of all materials, cost of labourand scaffolding etc., complete as per the specification								
	Total Apporval Tender Qty					**296.81**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					296.81			
	Now Payable Qty is NIL					**0.00**		60.00	**NIL**
22	Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer								
	Total Apporval Tender Qty					**634.69**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					634.69			
	Now Payable Qty is NIL					**0.00**		80.00	**NIL**
23	Applying priming coat over new wood surface and / or wood based surface after preparing the surface afterthroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications.								
	Total Apporval Tender Qty					**9.45**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					9.45			
	Now Payable Qty is NIL					**0.00**		40.00	**NIL**
24	Providing and applying painting two coats (excluding priming coat) on new wood surface and/or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.								
	Total Apporval Tender Qty					**57.74**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					57.74			
	Now Payable Qty is NIL					**0.00**		80.00	**NIL**

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
25	Providing and finishing external walls in two coats over one coat of100% acrylic silicon glazed primerwith antifungal paint fortop coatof approved brand and shade to give an even shade after thoroughlybrooming the surface to remove all dirt and loose powdered material,free from mortar drops and other foreign matter cost of materials,labour,complete as per specifications								
	Total Apporval Tender Qty					**312.23**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					303.54			
	Excuted paid Qty					303.54			
	Now Payable Qty is NIL					**0.00**		150.00	**NIL**
26	Providing and installing of pre painted Galvolume iron Trapezoidalprofiled sheetof approved make 1060 mm width (1000 mm cover width),28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs atthe centre for stiffening. The total coated thickness (TCT) of the sheetwill be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22micronsusing self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.								
	Total Apporval Tender Qty					**13.50**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					13.50			
	Now Payable Qty is NIL					**0.00**		800.00	**NIL**
27	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to S:2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50°/c of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 300x300mm square. (e) The whole terrace so finished shall be flooded with water fora minimum period of two weeks for curing and for final test including cost of materials, labour complete as per specifications.								
	Total Apporval Tender Qty					**150.30**	**Sqm**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					150.30			
	Now Payable Qty is NIL					**0.00**		900.00	**NIL**
28	**Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11**								
	Total Apporval Tender Qty					**2**	**Each**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					2			
	Now Payable Qty is NIL					**0**		5000.00	**NIL**
29	**Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11**								
	Total Apporval Tender Qty					**3**	**Each**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					3			
	Now Payable Qty is NIL					**0**		4000.00	**NIL**

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
30	**Providing and fixing 1500x450mm rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.**								
					Total Apporval Tender Qty	**3**	**Each**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					3			
					Now Payable Qty is NIL	**0**		1600.00	**NIL**
31	**Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 20mm nominal OD pipes**								
					Total Apporval Tender Qty	**135.00**	**M**		
	Qty Already Paid Vide MB No.4972 /2018-19 ,Pg.No.497109 to 497120					135.00			
					Now Payable Qty is NIL	**0.00**		130.00	**NIL**
	Pre - Measurement Recorded on :- 4/7/19								
32	**B. Balance Work of Bangalore ond Building :** KSRB 2-2.1: Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1 (b) / 2.3.5								
					Total Apporval Tender Qty	**25.92**	**Cum**		
	For Wall Portion	2	12.00	0.90	1.20	25.92			
	Staircase Columns	2	1.80	1.80	1.60	10.37			
						36.29			
				Qty Ltd		**25.92**	**cum**	200.00	**5184.00**
	Pre - Measurement Recorded on :-								
33	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix CC 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregates @ 0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2								
					Total Apporval Tender Qty	**17.97**	Cum		
	Bed Concrete Work								
	For Wall Portion	2	12.00	0.90	0.15	3.24			
	Staircase Columns	2	1.80	1.80	0.20	1.30			
	Flagging Concrete - Passage - B / S	1	12.40	0.60	0.15	1.12			
		1	3.00	0.60	0.15	0.27			
	Passage - L / S & R / S	2	8.35	1.00	0.15	2.51			
	Front Portion	1	12.40	1.50	0.15	2.79			
		1	15.00	1.80	0.15	4.05			
		2	7.50	1.20	0.15	2.70			
						17.98			
				Qty Ltd		**17.97**	**cum**	5000.00	**89850.00**
	Pre - Measurement Recorded on :-								
34	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammered dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
					Total Apporval Tender Qty	**6.48**	**Cum**		
	Below GL								
	For Wall Portion	2	12.00	0.60	0.45	**6.48**	**cum**	4000.00	**25920.00**

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
35	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13								
					Total Apporval Tender Qty	**4.97**	**cum**		
	Above GL								
	For Wall Portion	2	12.00	0.45	0.45	**4.86**	cum	5000.00	**24300.00**
	Measurement Recorded on :-								
36	Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications.								
					Total Apporval Tender Qty	**21.60**	**Sqm**		
	For Wall Portion	2	12.00		0.90	21.60	**Sqm**	90.00	**1944.00**
	Measurement Recorded on :-								
37	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and footing , Pedestal staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, bed blocks, anchor blocks, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6.								
					Total Apporval Tender Qty	**28.03**			
	Ground Floor								
	Staircase Column Footings	2	1.80	1.80	0.65	4.21			
	Column	2	0.20	0.45	5.00	0.90			
	Plinth beam	1	6.25	0.20	0.30	0.38			
		3	1.95	0.20	0.30	0.35			
	Lintle	1	6.25	0.20	0.20	0.25			
		2	1.95	0.20	0.20	0.16			
	Roof beam	1	6.25	0.20	0.30	0.38			
		3	1.95	0.20	0.30	0.35			
	Roof Slab (12.40-5.90) = 6.50Mtr	1	6.50	6.30	0.15	6.14			
	Sump Slab	1	3.00	2.30	0.10	0.69			
	Staircase	1	1.00	0.60	0.45	0.27			
	W/ S	1	2.80	0.90	0.15	0.38			
	Steps	9x0.50	0.90	0.25	0.15	0.15			
	Landing	1	1.95	0.90	0.15	0.26			
	W/ S	1	2.10	0.90	0.15	0.28			
	Steps	7x0.50	0.90	0.25	0.15	0.12			
						15.27			
	Deductions								
	Staircase cut out	1	2.00	3.00	0.15	0.90			
	Inspection door	1	0.60	0.60	0.10	0.04			
						0.94			
	(15.27 - 0.94) =					**14.33**			

14.33

Assistant Executive Engineer.
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Flagging Concrete - Passage - B / S	1	12.40	0.60	0.10	0.74			
		1	3.00	0.60	0.10	0.18			
	Passage - L / S & R / S	2	8.35	1.00	0.10	1.67			
	Front Portion	1	12.40	1.50	0.10	1.86			
		1	15.00	1.80	0.10	2.70			
		1	12.00	1.50	0.10	1.80			
	Below flooring - Hall	1	9.85	4.95	0.075	3.66			
	Toilet	1	1.65	1.95	0.075	0.24			
	Passage	1	12.40	1.00	0.075	0.93			
						13.78			
	(14.33 +13.78) =					**28.11**			
				Qty Ltd		**28.03**	**Cum**	6000.00	**168180.00**
	Pre - Measurement Recorded on :-								
38	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3								
					Total Apporval Tender Qty	**3.36**	**Ton**		
	Pre - Measurement Steel Quantity :-								
	Description of Item	**No.**	**L**	**16mm**	**12mm**	**10mm**	**8mm**		
	Staircase Column Footings								
	size- 1.80mx1.80m= 2Nos.								
	Mat Portion @125mm c/c - Both ways	2x12	2.00	-	48.00	-	-		
		2x12	2.00	-	48.00	-	-		
	Staircase Columns								
	size- 0.45mx0.20m= 2Nos.	2x6	6.00	72.00	-	-	-		
		2x4	6.00	-	48.00	-	-		
	Stirupps	2x34	1.40	-	-	-	95.20		
	plinth beam - L= 6.25mtr - 1Nos.								
	Size - 0.20 x 0.30 mtr								
	Top & Bottom Rods	1 x 2 x 3	6.40	-	38.40	-	-		
	Stirupps	1 x 42	1.10	-	-	-	46.20		
	plinth beam - L= 1.95mtr - 3Nos.								
	Size - 0.20 x 0.30 mtr								
	Top & Bottom Rods	3 x 2 x 3	6.40	-	115.20	-	-		
	Stirupps	3 x 13	1.10	-	-	-	42.90		
	Sump Slab - 3.00 x 2.30m								
	Slab Portion @100mm c/c - Both ways	1 x 30	2.30	-	-	69.00	-		
		1 x 23	3.00	-	-	69.00	-		
	Lintle - L= 6.25mtr - 1Nos.								
	Size - 0.20 x 0.20 mtr								
	Top & Bottom Rods	1 x 2 x 3	6.40	-	-	38.40	-		
	Stirupps	1 x 42	0.90	-	-	-	37.80		
	Lintle - L= 1.95mtr - 3Nos.								
	Top & Bottom Rods	3 x 2 x 3	6.40	-	-	115.20	-		
	Stirupps	3 x 13	0.90	-	-	-	35.10		

Assistant Executive Engineer
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
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Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Staircase								
	1 st W/ S -2.80m x 0.90m								
	Slab Portion @100mm c/c - Both ways	1 x 10	5.00	-	50.00	-	-		
		1 x 28	0.90	-	25.20	-	-		
	Tension Rods @125mm c/c - Both ways	2 x 10	2.00	-	40.00	-	-		
	Landing- 1.95m x 0.90m								
	Slab Portion @100mm c/c - Both ways	1 x 10	2.00	-	20.00	-	-		
		1 x 20	0.90	-	18.00	-	-		
	Roof beam - L= 6.25mtr - 1Nos.								
	Size - 0.20 x 0.45 mtr								
	Top & Bottom Rods	1 x 2 x 3	6.40	38.40	-	-	-		
	Stirupps	1 x 42	1.40	-	-	-	58.80		
	Roof beam - L= 1.95mtr - 3Nos.								
	Size - 0.20 x 0.45 mtr								
	Top & Bottom Rods	3 x 2 x 3	6.40	115.20	-	-	-		
	Stirupps	3 x 13	1.40	-	-	-	54.60		
	GF - Roof Slab - 4.50mx3.30m								
	Slab Portion @100mm c/c - Both ways	2x45	3.30	-	-	297.00	-		
		2x33	4.50	-	-	297.00	-		
	Tension Rods @100mm c/c - Both ways	2x10	4.50	-	-	90.00	-		
		2x10	3.30	-	-	66.00	-		
	Dist.rods @100mmc/c	2x45	1.50	-	-	-	135.00		
		2x33	1.50	-	-	-	99.00		
	Over Toilet room								
	Roof Slab - 2.35mx2.00m								
	Slab Portion @100mm c/c - Both ways	2x22	2.60	-	-	114.40	-		
		2x26	2.20	-	-	114.40	-		
	Tension Rods @150mm c/c - Both ways	2x8	3.00	-	-	48.00	-		
		2x8	2.50	-	-	40.00	-		
	Over passage								
	Roof Slab - 2.00mx1.25m								
	Slab Portion @100mm c/c - Both ways	1x13	2.20	-	-	28.60	-		
		1x20	1.40	-	-	28.00	-		
	Staircase								
	W/ S - 2.60m x 0.95m								
	Slab Portion @125mm c/c - Both ways	1x8	4.50	-	-	36.00	-		
		1x21	0.90	-	-	18.90	-		
	Tension Rods @125mm c/c - Both ways	2x8	2.00	-	-	32.00			
	TOTAL QUANTITY			225.60	450.80	1501.90	604.60		
			at	x1.59 kg/mtr	x 0.89 kg/mtr	x 0.62 kg/mtr	x 0.39 kg/mtr		
				358.70	401.21	931.18	235.79		
						1926.89	Kgs		
						1.92	Ton	60000.00	115200.00

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Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
39	KSRB 4-6.2: Providing and removing centering height more than 3.5 mtrs, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 ..								
					Total Apporval Tender Qty	**40.08**	**Sqm**		
	Cenrting Works - Both Sides								
	Plinth beam	1 x 2	6.25		0.30	3.75			
		3 x2	1.95		0.30	3.51			
	Lintle	1 x 2	6.25		0.20	2.50			
		2 x 2	1.95		0.20	1.56			
	Roof beam	1 x 2	6.25		0.30	3.75			
		3 x2	1.95		0.30	3.51			
	Roof Slab (12.90-5.90) = 6.50Mtr	1	6.50	6.30		40.95			
	Roof Slab Edge	1 x 2	6.50		0.15	1.95			
		1 x 2	6.30		0.15	1.89			
	Staircase cut out	1 x 2	2.00		0.15	0.60			
		1 x 2	3.00		0.15	0.90			
	Sump Slab	1	3.00	2.30		6.90			
	Sump Slab Edge	1 x 2	2.00		0.15	0.60			
		1 x 2	3.00		0.15	0.90			
	Inspection door portion	1 x 4	0.60		0.15	0.36			
	1 st W/ S	1	2.80	0.90		2.52			
		1	2.80		0.15	0.42			
	Steps	9	0.90		0.15	1.22			
	Landing	1	1.95	0.90	0.15	0.26			
	2 ndW/ S	1	2.10	0.90		1.89			
		1	2.10		0.15	0.32			
	Steps	7	0.90		0.15	0.95			
						81.21			
	Deductions								
	Staircase cut out	1	2.00	3.00		6.00			
	Inspection door	1	0.60	0.60		0.36			
						6.36			
	(81.21 - 6.36) =					74.85			
				Qty Ltd		40.08	Sqm	500.00	20040.00

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Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
40	KSRRB M800-20.Tubular Steel Railing on Medium Weight Steel Channel (ISMC Series) 100mm x 50mm:- Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 metres high above ground, 2 m centre to centre, complete as per approved drawings as per specifications. MORTH Specification No. 808.								
					Total Apporval Tender Qty	**45.68**	**M**		
		8	6.00			**48.00**			
				Qty Ltd		**45.68**	**M**	1500.00	**68520.00**
	Measurement Recorded on :-								
41	**C. First Floor Bangalore ond Building :** KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation plinth and footing , Pedestal staircase, lintels, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, bed blocks, anchor blocks, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6.								
					Total Apporval Tender Qty	**24.62**	**Cum**		
	Columns	12	0.20	0.45	4.00	4.32			
	Inverted Beam	2	12.40	0.20	0.35	1.74			
		3	4.95	0.20	0.35	1.04			
		2	0.80	0.20	0.35	0.11			
		1	1.65	0.20	0.35	0.12			
	Lintels - L / W	1	12.40	0.20	0.20	0.50			
	L / W	1	10.30	0.20	0.20	0.41			
	B / N Toilet & Stair case	1	2.05	0.20	0.20	0.08			
		1	1.95	0.20	0.20	0.08			
		1	3.05	0.20	0.20	0.12			
	S / W	2	4.95	0.20	0.20	0.40			
	Roof Beam - L / W	1	12.40	0.20	0.35	0.87			
	L / W	1	10.30	0.20	0.35	0.72			
	B / N Toilet & Stair case	1	2.05	0.20	0.35	0.14			
		1	1.95	0.20	0.35	0.14			
		1	3.05	0.20	0.35	0.21			
	S / W	2	4.95	0.20	0.35	0.69			
	Center Beams	1	4.95	0.30	0.35	0.52			
		1	4.95	0.23	0.35	0.40			
	Passage	3	0.90	0.20	$\frac{(0.35 + 0.15)}{2}$	0.14			
		1	0.90	0.30	$\frac{(0.35+ 0.15)}{2}$	0.07			
		1	0.90	0.23	$\frac{(0.35 + 0.15)}{2}$	0.05			
	Roof Slab	1	12.40	6.25	0.15	11.63			

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Staircase								
	W/ S	1	2.80	0.90	0.15	0.38			
	Steps	9 x0.50	0.90	0.25	0.15	0.15			
	Landing	1	1.00	1.00	0.15	0.15			
		1	1.00	0.90	0.15	0.14			
	W/ S	1	2.10	0.90	0.15	0.28			
	Steps	7x0.50	0.90	0.25	0.15	0.12			
						25.72			
	Deductions - Staircase	1	3.00	2.00	0.15	0.90			
						24.82			
				Qty Ltd		24.62	Cum	6000.00	**147720.00**
	Measurement Recorded on :-								
42	KSRB 4.2.10 :Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @ 5175cum and fine aggregates @ 0.345cum, with superplastisiser @ 0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 .								
					Total Apporval Tender Qty	**6.38**	**Sqm**		
	RCC CHEJJA - Windows	5	1.50	0.60		4.50			
	V	2	0.90	1.00		1.80			
	Total Qty					6.30	Sqm	450.00	**2835.00**
	Pre -Measurement Recorded on :-								
43	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3								
					Total Apporval Tender Qty	3.00	Ton		
	Pre - Measurement Steel Quantity :-								
	Description of Item	No.	L	16mm	12mm	10mm	8mm		
	Columns								
	size- 0.45mx0.20m= 12Nos.	12x4	4.00	192.00	-	-	-		
		12x2	4.00	-	96.00	-	-		
	Stirupps	12x28	1.30	-	-	-	436.80		
	Below Wall - Inverted Beam								
	size- 0.20mx0.20m.								
	Length-12.40m - 1nos.								
	Top & Bottom rods .	2x5	12.60	-	-	126.00	-		
	Stirupps @125mm c/c	2x100	1.00	-	-	-	200.00		
	size- 0.20mx0.35m.								
	Length-4.95m - 3nos.								
	Top & Bottom rods .	3x5	5.10	-		76.50	-		
	Stirupps @125mm c/c	3x40	1.00	-	-	-	120.00		
	size- 0.20mx0.35m.								
	Length- 0.80m - 2nos.								
	Top & Bottom rods .	2x5	1.00	-	-	10.00	-		
	Stirupps @125mm c/c	2x7	1.00	-	-	-	14.00		

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	size- 0.20mx0.35m.								
	Length-1.65m - 1no.								
	Top & Bottom rods .	2x5	1.80	-	-	18.00	-		
	Stirupps @125mm c/c	2x13	1.00	-	-	-	26.00		
	Lintles								
	size- 0.20mx0.20m.								
	Length-12.40m - 1no.								
	Top & Bottom rods .	1x5	12.60	-	-	63.00	-		
	Stirupps @125mm c/c	1x100	0.80	-	-	-	80.00		
	size- 0.20mx0.20m.								
	Length-10.30m - 1no.								
	Top & Bottom rods .	1x5	10.50	-	-	52.50	-		
	Stirupps @125mm c/c	1x82	0.80	-	-	-	65.60		
	size- 0.20mx0.20m.								
	Length-2.05m - 1no.								
	Top & Bottom rods .	1x5	2.20	-	-	11.00	-		
	Stirupps @125mm c/c	1x16	0.80	-	-	-	12.80		
	size- 0.20mx0.20m.								
	Length-1.95m - 1no.								
	Top & Bottom rods .	1x5	2.10	-	-	10.50	-		
	Stirupps @125mm c/c	1x15	0.80	-	-	-	12.00		
	size- 0.20mx0.20m.								
	Length-3.05m - 1no.								
	Top & Bottom rods .	1x5	3.20	-	-	16.00	-		
	Stirupps @125mm c/c	1x25	0.80	-	-	-	20.00		
	size- 0.20mx0.20m.								
	Length-4.95m - 2nos.								
	Top & Bottom rods .	2x5	5.10	-	-	51.00	-		
	Stirupps @125mm c/c	2x40	0.80	-	-	-	64.00		
	Chejja								
	W -1.50m x 0.60m - 5Nos.								
	Slab Portion @125mm c/c - Both ways	5x7	1.50	-	-	52.50	-		
		5x15	0.80	-	-	60.00	-		
	V -0.90m x 1.00m - 2Nos.								
	Slab Portion @125mm c/c - Both ways	2x10	0.90	-	-	18.00	-		
		2x9	1.20	-	-	21.60	-		
	Staircase								
	1 st W/ S -2.80m x 0.90m								
	Slab Portion @125mm c/c - Both ways	1x8	3.80	-	-	30.40	-		
		1x23	0.90	-	-	18.90	-		
	Tension Rods @125mm c/c - Both ways	2x8	2.00	-	-	32.00	-		
	Landing- 2.00m x 1.00m								
	Slab Portion @125mm c/c - Both ways	1x8	2.00	-	-	16.00	-		
		1x16	0.90	-	-	18.90	-		

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Roof Beams								
	size- 0.20mx0.50m.								
	Length-12.40m - 1no.								
	Top & Bottom rods .	1x5	12.60	63.00	-	-	-		
	Stirupps @125mm c/c	1x100	1.40	-	-	-	140.00		
	size- 0.20mx0.50m.								
	Length-10.30m - 1no.								
	Top & Bottom rods .	1x5	10.50	52.50	-	-	-		
	Stirupps @125mm c/c	1x82	1.40	-	-	-	114.80		
	size- 0.20mx0.50m.								
	Length-2.05m - 1no.								
	Top & Bottom rods .	1x5	2.20	11.00	-	-	-		
	Stirupps @125mm c/c	1x16	1.40	-	-	-	22.40		
	size- 0.20mx0.50m.								
	Length-1.95m - 1no.								
	Top & Bottom rods .	1x5	2.10	10.50	-	-	-		
	Stirupps @125mm c/c	1x15	1.40	-	-	-	21.00		
	size- 0.20mx0.50m.								
	Length-3.05m - 1no.								
	Top & Bottom rods .	1x5	3.20	16.00	-	-	-		
	Stirupps @125mm c/c	1x25	1.40	-	-	-	35.00		
	size- 0.20mx0.50m.								
	Length-5.90m - 2nos.								
	Top & Bottom rods .	2x5	6.00	30.00	-	-	-		
	Stirupps @125mm c/c	2x48	1.40	-	-	-	134.40		
	size- 0.20mx0.50m.								
	Length-5.90m - 2nos.								
	Top & Bottom rods .	2x5	6.00	30.00	-	-	-		
	Stirupps @125mm c/c	2x48	1.40	-	-	-	134.40		
	size- 0.30mx0.50m.								
	Length-5.90m - 1nos.								
	Top & Bottom rods .	1x5	6.00	30.00	-	-	-		
	Stirupps @125mm c/c	1x48	1.60	-	-	-	76.80		
	size- 0.23mx0.50m.								
	Length-5.90m - 1nos.								
	Top & Bottom rods .	1x5	6.00	30.00	-	-	-		
	Stirupps @125mm c/c	1x48	1.50	-	-	-	72.00		
	Roof Slab - 10.30mx6.25m								
	Slab Portion @100mm c/c - Both ways	1x62	10.30	-		638.60	-		
		1x103	6.25	-	-	643.75	-		
	Tension Rods @150mm c/c - Both ways	2x10	10.30	-	-	206.00	-		
		2x10	6.25	-	-	125.00	-		
	Dist.rods @100mmc/c	2x62	1.50	-	-	-	186.00		
		2x103	1.50	-	-	-	309.00		

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Over Toilet room								
	Roof Slab - 2.35mx2.00m								
	Slab Portion @100mm c/c - Both ways	1x22	2.60	-	-	57.20	-		
		1x26	2.20	-	-	57.20	-		
	Tension Rods @150mm c/c - Both ways	2x8	3.00	-	-	48.00	-		
		2x8	2.50	-	-	40.00	-		
	Over passage								
	Roof Slab - 2.00mx1.25m								
	Slab Portion @100mm c/c - Both ways	1x13	2.20	-	-	28.60	-		
		1x20	1.40	-	-	28.00	-		
	Staircase								
	2 nd W/ S - 2.10m x 0.95m								
	Slab Portion @125mm c/c - Both ways	1x8	3.10	-	-	24.80	-		
		1x21	0.90	-	-	18.90	-		
	Tension Rods @125mm c/c - Both ways	2x8	2.00	-	-	32.00			
	TOTAL QUANTITY			**465.00**	**96.00**	**2650.85**	**2297.00**		
			at	x1.59 kg/mtr	x 0.89 kg/mtr	x 0.62 kg/mtr	x 0.39 kg/mtr		
				739.35	**85.44**	**1643.5**	**895.83**		
						3364	**Kgs**		
					Qty Ltd	**3000**	**Kgs**		
					Say	**3.00**	**Ton**	60000.00	**180000.00**
	Measurement Recorded on :-								
44	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2								
					Total Apporval Tender Qty	**64.80**	**Sqm**		
	Column Centering	12 x 2	0.20		4.00	19.20			
		12 x 2	0.48		4.00	46.08			
	Total Qty					**65.28**			
			Qty Ltd			**64.80**	**Sqm**	340.00	**22032.00**
	Measurement Recorded on :-								
45	KSRB 4-6.2: Providing and removing centering height for 0-5 mtrs, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
					Total Apporval Tender Qty	**174.54**	**Sqm**		
	Inverted Beam - Both Sides	2x2	12.40		0.35	17.36			
		3x2	4.95		0.35	10.40			
		2x2	0.80		0.35	1.12			
		1x2	1.65		0.35	1.16			
	Lintels - L / W- Both Sides	1x2	12.40		0.20	4.96			
	L / W	1x2	10.30		0.20	4.12			
	B / N Toilet & Stair case	1x2	2.05		0.20	0.82			

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Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
		1x2	1.95		0.20	0.78			
		1x2	3.05		0.20	1.22			
	S / W	2x2	4.95		0.20	3.96			
	Roof Beam - L / W- Both Sides	1x2	12.40		0.35	8.68			
	L / W	1x2	10.30		0.35	7.21			
	B / N Toilet & Stair case	1x2	2.05		0.35	1.44			
		1x2	1.95		0.35	1.37			
		1x2	3.05		0.35	2.14			
	S / W	2x2	4.95		0.35	6.93			
	Center Beams	1x2	4.95		0.35	3.47			
		1x2	4.95		0.35	3.47			
	Passage	5x2	0.90		(0.35 + 0.15) / 2	2.25			
	Roof Slab	1	12.40	6.25		77.50			
	Roof Slab Edge	1x2	12.40		0.15	3.72			
		1x2	6.25		0.15	1.88			
	Staircase Cut Out	1x2	3.00		0.15	0.90			
		1x2	2.00		0.15	0.60			
		1x2	4.95		0.35	3.47			
	Staircase								
	W/ S	1	2.80	0.90		2.52			
	Sides	1x2	2.80		0.15	0.84			
	Steps	9	0.90		0.15	1.22			
	Landing	1	1.00	1.00		1.00			
		1	1.00	0.90		0.90			
	W/ S	1	2.10	0.90		1.89			
	Sides	1x2	2.10		0.15	0.63			
	Steps	7	0.90		0.15	0.95			
						180.88			
	Deductions - Staircase	1	3.00	2.00		6.00			
						174.88			
				Qty Ltd		**174.54**	**Sqm**	540.00	**94252.00**
	Measurement Recorded on :-								
46	KSRB 5-14: Providing and constructingload bearing wall with solid concrete blocks of size 400x150x200mm having block density not less than 1800kg/m3 havinga minimum average compressive strength of 4.00 N/mm2 confirming toIS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005including cost of all materials labour charges, scaffolding, curing, hirecharges of machineries etc., complete as per specifications. KBS No.5.4								
					Total Apporval Tender Qty	**147.68**	Sqm		
	For Wall Portion - L / W	1	12.40		3.00	37.20			
	L / W	1	10.30		3.00	30.90			
	B / N Toilet & Stair case	1	2.05		3.00	6.15			
		1	1.95		3.00	5.85			
		1	3.05		3.00	9.15			
	S / W	2	4.95		3.00	29.70			
	Passage - Wall Portion	1	12.40		0.80	9.92			
		2	0.80		0.80	1.28			

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Parapet	2	12.40		0.80	19.84			
		1	2.05		0.80	1.64			
		1	5.95		0.80	4.76			
		2	4.00		0.80	6.40			
		1	1.75		0.80	1.40			
		1	1.30		0.80	1.04			
	Below Sintex Tank- Piller	1	1.30		0.80	1.04			
		2	3.50		0.60	4.20			
					=	**170.47**			
					=				
	Deductions - MD	1	1.10		2.05	2.26			
	D1	1	0.75		1.90	1.43			
	Windows	5	1.20		1.20	7.20			
	V	1	0.70		0.60	0.42			
	Lintels - L / W	1	12.40		0.20	2.48			
	L / W	1	10.30		0.20	2.06			
	B / N Toilet & Stair case	1	2.05		0.20	0.41			
		1	1.95		0.20	0.39			
		1	3.05		0.20	0.61			
	S / W	2	4.95		0.20	1.98			
	Openings - Parapet Portion	2 x4x0.50	0.70		1.20	3.36			
						22.60			
						147.87			
				Qty Ltd		**147.68**	**Sqm**	900.00	132912.00
	Measurement Recorded on :-								
47	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33								
					Total Apporval Tender Qty	**0.14**	**Cum**		
	Door Frames								
	D	1x2	2.05	0.15	0.10	0.06			
		1x2	1.10	0.15	0.10	0.03			
	D 1	1x2	2.05	0.15	0.10	0.06			
		1x2	0.80	0.15	0.10	0.02			
						0.17			
				Qty Ltd		**0.14**	**Cum**	100000.00	**14000.00**
	Measurement Recorded on :-								
48	KSRB 9.5-2 : Providing and fixing in position fully paneled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34								
					Total Apporval Tender Qty	**2.52**	**Sqm**		
	MD	1	1.10		2.05	**2.26**	**Sqm**	4500.00	**10170.00**
	Measurement Recorded on :-								
49	KSRB 9-14-3: Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade plain particle board including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures). Specification No. KBS 9.34, 9.26.3								
					Total Apporval Tender Qty	**1.58**	**Sqm**		
	D1	1	0.75		1.90	**1.43**	**Sqm**	2900.00	**4147.00**

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.,
Bangalore.

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
50	KSRB 7.9 : Providing and fixing M.S. grill work for windows and ventilators weighing 21 kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12								
					Total Apporval Tender Qty	164.64	Kgs		
	Windows	5	1.20		1.20	7.20			
	V	2	0.70		0.60	0.84			
						8.04			
	At 21 kg / sqm					168.84			
					Qty Ltd	164.64	Kgs	80.00	13171.00
	Measurement Recorded on :-								
51	KSRB 7.12 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 4ommx18mm wall thickness 1.25mm. weight 0.417 kg/m, shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mrn wall thickness 1.1 mm. weight 0.469 kg/rn. shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with including cutting to required length, joints mitred subdividing the frame, tenonned and rivetted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, intels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky materials; (this coating should be cleaned after installation) including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.								
					Total Apporval Tender Qty	**7.74**	Sqm		
	Windows	5	1.20		1.20	7.20			
	V	2	0.70		0.60	0.84			
						8.04			
				Qty Ltd		**7.74**	**Sqm**	3500.00	**27090.00**
	Measurement Recorded on :-								
52	KSRB 15-3-12 : Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
					Total Apporval Tender Qty	**105.83**	**Sqm**		
	Inside Plastering - Wall Portion	1x2	9.85		2.85	56.15			
		1x2	4.95		2.85	28.22			
	Toilet	1x2	1.65		2.65	8.75			
		1x2	1.95		2.65	10.34			
	Beam Sides	2x2	4.95		0.30	5.94			
		5x2	0.90		(0.35+ 0.15) / 2	2.25			
	Staircase								
	W/ S	1	2.80	0.90		2.52			
	Sides	1	2.80		0.15	0.42			
	Landing	1	1.00	1.00		1.00			
		1	1.00	0.90		0.90			

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	W/ S	1	2.10	0.90		1.89			
	Sides	1	2.10		0.15	0.32			
						118.70			
	Deductions - MD	1x0.50	1.10		2.05	1.13			
	D1	1x1.00	0.75		1.90	1.43			
	Windows	5x0.50	1.20		1.20	3.60			
	V	1x0.50	0.70		0.60	0.21			
						6.37			
						112.33			
			Qty Ltd			**105.83**		200.00	**21166.00**
	Measurement Recorded on :-								
53	KSRB 15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.								
					Total Apporval Tender Qty	**11.36**	**Sqm**		
	Ceiling Portion - Hall	1	9.85	4.95		48.76			
	Toilet	1	1.65	1.95		3.22			
	Passage	1	12.40	1.00		12.40			
						64.38			
				Qty Ltd		**11.36**	**Sqm**	180.00	**2045.00**
	Measurement Recorded on :-								
54	**KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications.**								
					Total Apporval Tender Qty	**117.19**	**Sqm**		
	Inside Plastering - Wall Portion	1x2	**9.85**		**2.85**	**56.15**			
		1x2	4.95		2.85	28.22			
	Toilet	1x2	1.65		2.65	8.75			
		1x2	1.95		2.65	10.34			
	Ceiling Portion - Hall	1	9.85	4.95	-	48.76			
	Toilet	1	1.65	1.95	-	3.22			
					-	**155.44**			
	Deductions - MD	1x0.50	1.10		2.05	1.13			
	Windows	5x0.50	1.20		1.20	3.60			
	Toilet - Wall Tiles	2x1.00	1.95		2.00	7.80			
		2x1.00	1.65		2.00	6.60			
						19.13			
						136.31			
				Qty Ltd		**117.19**	**Sqm**	20.00	**2344.00**

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
56	Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification.								
					Total Apporval Tender Qty	55.90	Sqm		
	Flooring Portion - Hall	1	9.85	4.95		48.76			
	Passage	1	12.40	0.80		9.92			
	Skirting	1x2	9.85		0.10	1.97			
		1x2	4.95		0.10	0.99			
						61.64			
				Qty Ltd		55.90	Sqm	1100.00	61490.00
	Measurement Recorded on :-								
57	KSRB 7.10 : Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/rn, sides and top sections 1.3 mm. thick weight 0.659 kg/rn; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/rn, shutter interlock section 40rnmx26.7mm, 1.1mm thick, weight 0.469 kg/rn. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels. floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any rust and coated with greasy for non adhesion of mortor and other sticky materials: (this coating should be cleaned after installation) including cost of materials, fixtures, labour and HOM at machinery complete as per speciations. Specification No. KBS								
					Total Apporval Tender Qty	62.24	Sqm		
	First Floor - Hall Portion								
	For Staff Chambers	1	9.85		1.50	14.78			
		1	7.85		1.50	11.78			
		1	4.95		1.50	7.43			
		4	1.90		1.50	11.40			
	Passage Portion	1	12.40		2.85	35.34			
		2	0.80		2.85	4.56			
						85.29			
	Deduction - Openings	1	1.20		1.50	1.80			
		7	0.90		1.50	9.45			
	Passage - Wall Portion	1	12.40		0.80	9.92			
		2	0.80		0.80	1.28			
						22.45			
						62.84			
				Qty Ltd		62.24	Sqm	4000.00	248960.00
	Measurement Recorded on :-								
58	KSRB 8.6-7 : Providing and fixing on wall surface 4.0 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications.								
					Total Apporval Tender Qty	6.00	Mtr		
		2	3.00			6.00		400.00	2400.00

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
59	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11								
					Total Apporval Tender Qty	**1**	**Each**		
		1				1		5000.00	**5000.00**
	Measurement Recorded on :-								
60	KSRB 11-11.2: Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11								
					Total Apporval Tender Qty	**1**	**Each**		
		1				**1**		3100.00	**3100.00**
	Measurement Recorded on :-								
61	KSRB 14.14-5: Providing Ceramic tiles of approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. colour glazed tiles of size 30 x 30 cms 6mm thick								
					Total Apporval Tender Qty	**3.40**	**Sqm**		
	Toilet	1	1.95	1.65		**3.22**	**Sqm**	1111.00	**3577.00**
	Measurement Recorded on :-								
62	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately using glazed tiles of approved make and size including **cost of materials, labour, complete as per specifications. Specification No. KBS 14.16, 14.17 colour glazed tiles of size 15 x 15 cms 6mm thick**								
					Total Apporval Tender Qty	15.54	Sqm		
	Toilet	1x2	1.95		2.00	7.80			
		1x2	1.65		2.00	6.60			
	V - Bottom	1x1	0.70	0.075		0.05			
	Sides	1x2	0.60		0.075	0.09			
	Skirting	1x2	9.85		0.10	1.97			
		1x2	4.95		0.10	0.99			
						17.50			
	Deduction- D1	1	0.75		1.90	1.43			
	V	1	0.70		0.60	0.42			
						1.85			
						15.65			
				Qty Ltd		**15.54**	**Sqm**	1000.00	**15540.00**

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
63	Providing and fixing CI Nahani trap of approved make conforming to PSI specifications and construction of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). 12.5cms x 7.5cms								
					Total Apporval Tender Qty	**4**	**Each**		NDD AE(HSI)
		4				4	**Each**	250.00	**1000.00**
	Measurement Recorded on :-								
64	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) - 20mm nominal OD pipes								
					Total Apporval Tender Qty	**50.00**	**Mtr**		
	20mm nominal CD pipes .	5	6.00			30.00			NDD AE(HSI)
		4	5.00			20.00			
						50.00	**Mtr**	190.00	**9500.00**
	Measurement Recorded on :-								
65	KSRB 13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.2/13.3								
					Total Apporval Tender Qty	**2**	**Each**		NDD AE(HSI)
		2				2	**Each**	150.00	**300.00**
	Measurement Recorded on :-								
66	KSRB 13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3								
					Total Apporval Tender Qty	**3**	**Each**		NDD AE(HSI)
		3				3	**Each**	500.00	**1500.00**
	Measurement Recorded on :-								
67	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00kgs/sqcm working pressure with pipe fittings, wall clips etc., andmaking good the wall, ceiling and floor for sanitary pipelines includingcost of all materials, labour charges, HOM and testing complete as perspecifications.110mm dia								
					Total Apporval Tender Qty	**30.00**	**Mtr**		NDD AE(HSI)
		5	6.00			30.00	**Mtr**	400.00	**12000.00**
	Measurement Recorded on :-								
68	Providing applying two coats of wall putty to inside plastered walls ceiling using white cement putty. Scrapping and levelling the surfaceusing steel blade and preparing the surface even and smooth by usingdifferent grade sand papers, including cost of all materials, cost of labourand scaffolding etc., complete as per the specification								
					Total Apporval Tender Qty	**83.76**	**Sqm**		
	Inside Plastering - Wall Portion	1x2	9.85		2.85	56.15			
		1x2	4.95		2.85	28.22			
	Toilet	1x2	1.65		2.65	8.75			
		1x2	1.95		2.65	10.34			
	Ceiling Portion - Hall	1	9.85	4.95		48.76			
	Toilet	1	1.65	1.95		3.22			
						155.44			
	Deductions - MD	1x0.50	1.10		2.05	1.13			
	Windows	5x0.50	1.20		1.20	3.60			
	Toilet - Wall Tiles	2x1.00	1.95		2.00	7.80			
		2x1.00	1.65		2.00	6.60			
						19.13			
						136.31			AUDP AE(HSI)
				Qty Ltd		**83.76**	**Sqm**	40.00	**3350.00**

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
69	Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer								
					Total Apporval Tender Qty	**189.26**	**Sqm**		
a	**First Floor**								
	Inside Plastering - Wall Portion	1x2	9.85		2.85	56.15			
		1x2	4.95		2.85	28.22			
	Toilet	1x2	1.65		2.65	8.75			
		1x2	1.95		2.65	10.34			
	Ceiling Portion - Hall	1	9.85	4.95	-	48.76			
	Toilet	1	1.65	1.95	-	3.22			
	Passage	1	12.40	1.00	-	12.40			
	Beam Sides	2x2	4.95		0.30	5.94			
		2x5	0.90		(0.35+ 0.15) / 2	2.25			
	Staircase								
	W/ S	1	2.80	0.90	-	2.52			
	Sides	1	2.80		0.15	0.42			
	Landing	1	1.00	1.00	-	1.00			
		1	1.00	0.90	-	0.90			
	W/ S	1	2.10	0.90	-	1.89			
	Sides	1	2.10		0.15	0.32			
						183.08			
b	**Ground Floor**								
	Inside Plastering - Wall Portion	1x2	9.85		2.85	56.15			
		1x2	4.95		2.85	28.22			
	Toilet	1x2	1.65		2.65	8.75			
		1x2	1.95		2.65	10.34			
	Ceiling Portion - Hall	1	9.85	4.95	-	48.76			
	Toilet	1	1.65	1.95	-	3.22			
	Passage	1	12.40	1.00	-	12.40			
	Beam Sides	2x2	4.95		0.30	5.94			
		2x5	0.90		(0.35+ 0.15) / 2	2.25			
	Staircase								
	W/ S	1	2.80	0.90	-	2.52			
	Sides	1	2.80		0.15	0.42			
	Landing	1	1.00	1.00	-	1.00			
		1	1.00	0.90	-	0.90			
	W/ S	1	2.10	0.90	-	1.89			
	Sides	1	2.10		0.15	0.32			
						183.08			
	(183.08 + 183.08)					**366.16**			
	Deductions - GF & FF - MD	2x0.50	1.10		2.05	2.26			
	D1	2x1.00	0.75		1.90	2.85			
	V	1 x 0.50	0.70		0.60	0.21			
	Windows	10x0.50	1.20		1.20	7.20			
	Toilet - Wall Tiles	2 x 2	1.95		2.00	15.60			
		2 x 2	1.65		2.00	13.20			
						41.32			
	(366.16 - 41.32)					**324.84**			
					Qty Ltd	**189.26**	**Sqm**	80.00	**15141.00**
	Measurement Recorded on :-								

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
70	Providing and applying painting in two coats with plastic emulsion paint with primer of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer								
					Total Apporval Tender Qty	**222.64**	**Sqm**		
a	**First Floor**								
	Out side Plastering - Wall Portion B / S	1	9.85		3.75	36.94			
	F / S	1	10.30		2.85	29.36			
	L /S & R /S	1x2	5.25		2.65	27.83			
	Staircase	1x2	3.05		3.75	22.88			
		1	1.95		3.75	7.31			
	Parapet - Inside	1	**12.00**		**0.80**	**9.60**			
		1	**5.85**		**0.80**	**4.68**			
		2x2	**12.00**		**0.80**	**38.40**			
		1	**4.00**		**0.80**	**3.20**			
		1	**2.05**		**0.80**	**1.64**			
		1	**1.70**		**0.80**	**1.36**			
		2x2	**0.80**		**0.80**	**2.56**			
	Parapet - Top	1	**12.00**	**0.15**		**1.80**			
		1	**5.85**	**0.15**		**0.88**			
		1x2	**12.00**	**0.15**		**3.60**			
		1	**4.00**	**0.15**		**0.60**			
		1	**2.05**	**0.15**		**0.31**			
		1	**1.70**	**0.15**		**0.26**			
		1x2	**0.80**	**0.15**		**0.24**			
	Staircase								
	W/ S	1	2.80	0.90		2.52			
	Sides	1	2.80		0.15	0.42			
	Landing	1	1.00	1.00		1.00			
		1	1.00	0.90		0.90			
	W/ S	1	2.10	0.90		1.89			
	Sides	1	2.10		0.15	0.32			
	RCC CHEJJA - Windows	3	1.50	0.60		2.70			
	V	1	0.90	1.00		0.90			
						204.10			
b	**Ground Floor**								
	Out side Plastering - Wall Portion B / S	1	9.85		3.75	36.94			
	F / S	1	10.30		2.85	29.36			
	L /S & R /S	1x2	5.25		2.65	27.83			
	Staircase	1x2	3.05		3.75	22.88			
		1	1.95		3.75	7.31			
	Staircase								
	W/ S	1	2.80	0.90		2.52			
	Sides	1	2.80		0.15	0.42			
	Landing	1	1.00	1.00		1.00			
		1	1.00	0.90		0.90			
	W/ S	1	2.10	0.90		1.89			
	Sides	1	2.10		0.15	0.32			
	RCC CHEJJA - Windows	3	1.50	0.60		2.70			
	V	1	0.90	1.00		0.90			
						134.97			
	(204.10 + 134.97)					**339.07**			
	Deductions - GF & FF - MD	2x0.50	1.10		2.05	2.26			
	Windows	10x0.50	1.20		1.20	7.20			
	V	2x0.50	0.70		0.60	0.42			
	Openings - Parapet Portion	2x4	0.70		1.20	6.72			
						16.60			
						322.47			
				Qty Ltd		**222.64**	**Sqm**	140.00	**31170.00**

Sl. No.	Description of Item	No.	L	B	D / H	Qty.	Unit	Rate	Amount
	Measurement Recorded on :-								
71	KSRB 15-17.5: Applying priming coat over new wood surface and / or wood based surface after preparing the surface afterthroughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications.								
					Total Apporval Tender Qty	17.01	Sqm		
	GF & FF - MD	2x2.25	1.10		2.05	10.15			
	Windows	10x1.00	1.20		1.20	14.40			
	V	2x1.00	0.70		0.60	0.84			
						25.39			
				Qty Ltd		17.01	Sqm	40.00	680.00
	Measurement Recorded on :-								
72	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and/or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications.								
					Total Apporval Tender Qty	17.01	Sqm		
	GF & FF - MD	2x2.25	1.10		2.05	10.15			
	Windows	10x1.00	1.20		1.20	14.40			
	V	2x1.00	0.70		0.60	0.84			
						25.39			
				Qty Ltd		17.01	Sqm	60.00	1021.00
		TOTAL BILL AMOUNT Rs.							1651214.00
(Rupees Sixteen Lakhs Fifty One Thousand Two Hundred Fourteen Only)									

Cetificate :-

1 Certified that the Contactor has done the work Satisfactory and found correct.
2 Certified that the Contractor has removed all the debris from site.
3 Certified that there is not due from the Contractor .
4 Certified that the Contractor making own arrengements for men and materials.

Assistant Engineer
Ward No.7
B.B.M.P

Assistant Executive Engineer
Kodigehalli Sub Division,
B.B.M.P.

Assistant Executive Engineer,
Kodigehalli Sub Division,
Yelahanka Zone, B.B.M.P.
Bangalore.